

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
PERSONNEL RATES			
1	Principal Level	\$/Hour	\$129
2	Senior Level	\$/Hour	\$111
3	Project Level	\$/Hour	\$94
4	Staff Level	\$/Hour	\$79
5	Field Level	\$/Hour	\$67
6	Technical Level	\$/Hour	\$58
7	Administrative Assistant Level	\$/Hour	\$48
8	Word Processor Level	\$/Hour	\$42
CONTRACTOR PERSONNEL RATES			
9	Construction Field Supervisor Level	\$/Hour	\$84
10	Skilled Laborer Level	\$/Hour	\$53
11	Unskilled Laborer Level	\$/Hour	\$42
12	Equipment Operator Level (Average Rate to Operate a Standard Piece of Equipment)	\$/Hour	\$62
MILEAGE RATES			
13	Consultant Mileage Rate (single person)	\$/Mile	\$0.41
14	Consultant Mileage Rate (two people)	\$/Mile	\$0.41
15	Contractor Daily Travel Mileage Rate	\$/Mile	\$0.41
PER DIEM RATES			
	Per Diem Requirement (# Miles Required)	50 Miles	
16	Fieldwork Per Diem Without Overnight Stay	\$/Day	\$41
17	Fieldwork Per Diem With Overnight Stay (Incl. Lodging)	\$/Day	\$111
MISCELLANEOUS			
18	Health and Safety Plan	\$/HASP	\$731
19	Pursuit of Off-Site Access Agreement with a Private Entity Only	\$/Access	\$1,310
EQUIPMENT RATES			
20	Water Level Indicator	\$/Day	\$41
21	Oil/Water Interface Probe	\$/Day	\$61
22	pH Temperature and Conductivity Meter	\$/Day	\$46
23	Photoionization Detector	\$/Day	\$82
24	Flame Ionization Detector	\$/Day	\$118
25	LEL/O2 Meter	\$/Day	\$61
26	Dissolved Oxygen Meter	\$/Day	\$56
27	1.6" Diameter Disposable Bailer	\$/Bailer	\$6
28	3.3" Diameter Disposable Bailer	\$/Bailer	\$20
29	Combustible Gas Indicator (CGI)	\$/Day	\$82
30	Vapor Sampling Pump Kit	\$/Day	\$31
31	Tedlar Bag (0.5L)	\$/Bag	\$15
32	Manual-Operated Hand Auger Sampling Kit (Hand Auger/Brass Sleeves)	\$/Day	\$70

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
33	Generator ($\leq 6\text{kw}$)	\$/Day	\$82
34	Submersible Pump with Controller	\$/Day	\$164
35	Peristaltic Pump	\$/Day	\$41
CONTRACTOR DRILLING - RELATED ACTIVITIES			
<i>SOIL BORING AND SAMPLING Mobilization/Demobilization (Mob/Demob)</i>			
36	Hollow Stem Auger Drilling Method (includes 60 miles of travel)	Per Event	\$536
37	All Other Drilling Methods (includes 60 miles of travel)	Per Event	\$635
<i>SOIL BORING AND SAMPLING MOB/DEMO ADDITIONAL TRAVEL</i>			
38	Hollow Stem Auger Drilling Method - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #36)	Per Mile	\$5
39	All Other Drilling Methods - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #37)	Per Mile	\$5
<i>SOIL BORING AND SAMPLING</i>			
40	Hollow Stem Auger Drilling Method-Vertical Boring	Per Foot	\$24
41	Hollow Stem Auger Drilling Method-Angle Boring	Per Foot	\$30
42	Limited Access Drilling Method-Vertical Boring	Per Foot	\$39
43	Air Rotary Drilling Method-Vertical Boring	Per Foot	\$41
44	Rotosonic Drilling Method-Vertical Boring	Per Foot	\$45
45	Dual Wall Percussion Drilling Method-Vertical Boring	Per Foot	\$43
46	Dual Wall Percussion Drilling Method-Angle Boring	Per Foot	\$62
47	Soil Boring Abandonment by Grout (all boring diameters)	Per Foot	\$11
CONTRACTOR - WELL INSTALLATION RELATED ACTIVITIES			
<i>DRILLING AND WELL INSTALLATION</i>			
48	2 inch Hollow Stem Auger	Per Foot	\$41
49	4-inch Hollow Stem Auger	Per Foot	\$50
50	6-inch Hollow Stem Auger	Per Foot	\$71
51	2-inch Air Rotary	Per Foot	\$58
52	4-inch Air Rotary	Per Foot	\$68
53	6-inch Air Rotary	Per Foot	\$91
54	2-inch Rotosonic	Per Foot	\$66
55	4-inch Rotosonic	Per Foot	\$69
56	6-inch Rotosonic	Per Foot	\$85
57	2-inch Dual Wall Percussion	Per Foot	\$60
58	4-inch Dual Wall Percussion	Per Foot	\$72
59	6-inch Dual Wall Percussion	Per Foot	\$93
<i>SURFACE COMPLETION</i>			
60	Well Surface Completion: Access Manhole $\leq 12"$	\$/Well	\$319
61	Well Surface Completion: Access Manhole $> 12"$ to $\leq 24"$	\$/Well	\$539

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
WELL DEVELOPMENT MOB/DEMOB			
62	Well Development Mob/Demob	Per Event	\$519
63	Well Development - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #62)	Per Mile	\$5
WELL DEVELOPMENT			
64	2-inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$503
65	2-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$625
66	4-Inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$544
67	4-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$655
68	6-Inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$668
69	6-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$768
MOBILE LABORATORY			
70	Mobile Lab Mob/Demob Rate for a One Person Crew	Per Event	\$406
71	Mobile Lab Mob/Demob Rate for a Two Person Crew	Per Event	\$583
72	Mobile Lab - Mob/Demob Additional Travel Rate for a One Person Crew	Per Mile	\$2
73	Mobile Lab - Mob/Demob Additional Travel Rate for a Two Person Crew	Per Mile	\$2
74	On-Site Mobile Lab Rate for a One Person Crew (Includes Soil and GW analyses)	\$/Hour	\$180
75	On-Site Mobile Lab Rate for a Two Person Crew (Includes Soil and GW analyses)	\$/Hour	\$269
LABORATORY ANALYSIS			
ORGANIC ANALYSIS			
Petroleum Hydrocarbons (HC)- SOIL			
76	HC by ADHS Method 418.1 AZ (Soil Only)	\$/Sample	\$74
77	HC by ADHS Method 8015AZR1 (Soil Only)	\$/Sample	\$98
HC - AIR			
78	HC by ADHS Method 8015AZR1-Modified (Air Only)	\$/Sample	\$111
79	HC/BTEX by EPA Method 8015AZR1(Modified) 8021B (Air Only)	\$/Sample	\$134
8021B SOIL			
80	Aromatic VOCs (BTEX) by EPA Method 8021B (Soil Only)	\$/Sample	\$97
81	Halogenated VOCs (BTEX) by EPA Method 8021B Arizona Target Compounds (Soil Only)	\$/Sample	\$140
82	EPA Method 8021B; Arizona Target Compounds (Soil Only)	\$/Sample	\$166
83	Full List VOCs by EPA Method 8021B (Soil Only)	\$/Sample	\$217
8021B GROUNDWATER			
84	Aromatic VOCs (BTEX) by EPA Method 8021B (Groundwater Only)	\$/Sample	\$102
85	Halogenated VOCs (BTEX) by EPA Method 8021B Arizona Target Compounds (Groundwater Only)	\$/Sample	\$146
86	EPA Method 8021B; Arizona Target Compounds (Groundwater Only)	\$/Sample	\$171
87	Full List VOCs by EPA Method 8021B (Groundwater Only)	\$/Sample	\$210

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
8021B AIR			
88	Aromatic VOCs (BTEX) by EPA Method 8021B (Air Only)	\$/Sample	\$148
89	Halogenated VOCs by EPA Method 8021B Arizona Target Compounds (Air Only)	\$/Sample	\$184
8260B SOIL			
90	EPA Method 8260B; Arizona Target Compounds (Soil Only)	\$/Sample	\$232
91	Full List VOCs by EPA Method 8260B (Soil Only)	\$/Sample	\$248
8260B GROUNDWATER			
92	EPA Method 8260B; Arizona Target Compounds (Groundwater Only)	\$/Sample	\$234
93	Full List VOCs by EPA Method 8260B (Groundwater Only)	\$/Sample	\$250
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)			
94	Semi-Volatile Organics by EPA Method 8270C - base neutral (Soil Only)	\$/Sample	\$243
95	Semi-Volatile Organics by EPA Method 8270C - base neutral (Groundwater Only)	\$/Sample	\$262
96	Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8310 (Soil Only)	\$/Sample	\$183
97	Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8310 (Groundwater Only)	\$/Sample	\$181
BIOFEASIBILITY / BIOTREATABILITY ANALYSIS			
98	Phosphate-P by an Approved EPA/ASTM Method (Soil Only)	\$/Sample	\$40
99	Nitrate + nitrite-N by an Approved EPA/ASTM Method (Soil Only)	\$/Sample	\$44
100	Nitrogen (Soil Only)	\$/Sample	\$46
101	Alkalinity by EPA Method 310.1 (Groundwater Only)	\$/Sample	\$22
102	Total Organic Carbon by EPA Method 415.1	\$/Sample	\$52
103	Total Organic Carbon by EPA Method 9060	\$/Sample	\$66
104	Ammonia by EPA Method 350.3 or other ASTM Method (Groundwater Only)	\$/Sample	\$31
105	Sulfate by EPA Method 375.2 or other ASTM Method (Groundwater Only)	\$/Sample	\$27
106	Nitrate by EPA Method 353.2 (Groundwater Only)	\$/Sample	\$27
107	Alkalinity by EPA Method 310.1 Modified (Soil Only)	\$/Sample	\$23
108	Total Dissolved Solids by EPA Method 160.1	\$/Sample	\$20
109	Total Dissolved Solids by EPA Method 160.3	\$/Sample	\$20
110	Biochemical Oxygen Demand (BOD) by EPA Method 405.1 (Aqueous Matrices Only)	\$/Sample	\$50

**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund**

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
WASTE CHARACTERIZATION ANALYSIS			
111	HC by EPA Method 418.1 (Groundwater Only) - FOR WASTE CHARACTERIZATION AND PERMIT REQUIREMENT PURPOSES ONLY	\$/Sample	\$78
112	TCLP Extraction Lead (Pb) Analysis by EPA Method 1311 and the appropriate SW846 EPA Method	\$/Sample	\$117
113	TCLP Extraction by EPA Method 1311 - Analysis of 8 RCRA Metals by appropriate SW846 EPA Method	\$/Sample	\$261
114	Ignitability Test by EPA Method 1010 (Liquid Only)	\$/Sample	\$48
115	Ignitability Test by EPA Method 1010 Modified (Soil Only)	\$/Sample	\$49
116	Corrosivity pH by EPA Method 9045 (Soil Only)	\$/Sample	\$20
117	Corrosivity pH by EPA Method 9040 (GW Only)	\$/Sample	\$19
118	Paint Filter Free Liquids by EPA Method 9095	\$/Sample	\$22
119	PCB's by EPA Method 8082 (Soil Only]	\$/Sample	\$126
120	Lead (Pb) by an approved SW846 EPA Method (Soil Only)	\$/Sample	\$37
CONTRACTOR - OTHER ACTIVITIES			
INVESTIGATIVE DERIVED WASTE			
121	Containerized Contaminated Water Disposal	\$/Drum	\$144
122	Containerized Contaminated Soil Disposal	\$/Drum	\$331
123	Landfill Disposal of Petroleum Contaminated Soil	\$/Ton	\$41

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
<p>NOTE: Additional activities (without a Cost Schedule Item Code) that are associated with a Phase can be located on the Phase Code Table.</p>			
PHASE A - RELEASE CONFIRMATION			
124	14-Day Release Confirmation Report	Per Report	\$572
PHASE B - INITIAL SITE CHARACTERIZATION			
125	Site Reconnaissance and Field Receptor Survey [1/4 Mile]	Lump Sum	\$1,675
PHASE H - REMEDIAL RESPONSE			
126	Pre-Built Remedial Engineering Design (Active Remedial System)	Per Design	\$6,218
PHASE I - OPERATION AND MAINTENANCE			
127	SVE System with Thermal Oxidizer (100 cfm)	\$/Month	\$3,351
128	SVE System with Thermal Oxidizer (250 cfm)	\$/Month	\$4,118
129	SVE System with Thermal Oxidizer (500 cfm)	\$/Month	\$4,768
130	SVE System With Thermal Oxidizer (700 cfm)	\$/Month	\$5,731
131	SVE System with Catalytic Oxidizer (100 cfm)	\$/Month	\$3,389
132	SVE System with Catalytic Oxidizer (250 cfm)	\$/Month	\$4,371
133	SVE System with Catalytic Oxidizer (500 cfm)	\$/Month	\$5,191
134	Air Sparge System (up to 100 cfm and up to 12 psi)	\$/Month	\$1,054
135	Air Sparge System (up to 100 cfm and 12 psi to 100 psi)	\$/Month	\$1,328
136	Blower, 160 CFM	\$/Month	\$1,081
137	Blower, 280 CFM	\$/Month	\$1,385
PHASE K - REMEDIAL EXCAVATION			
138	Remedial Excavation	Per Cubic Yard	\$12
139	Backfill and Compaction of Remedial Excavation	\$/Ton	\$22
PHASE L - TANK CLOSURE			
140	Tank Closure Contractor Mob/Demob	Per Event	\$748
141	Tank Closure Contractor Mob/Demob Additional Travel (additional mileage over 60 miles included in #140)	Per Mile	\$5
PHASE N - REPORTING			
ADEQ-Approved Site Characterization Report (SCR)			
142	ADEQ-Approved SCR; Up To 4 Soil Borings	\$/Report	\$4,334
143	ADEQ-Approved SCR; Up To 4 Groundwater Monitor Wells	\$/Report	\$5,385
144	ADEQ-Approved SCR; Up to 4 Soil Borings and 4 Groundwater Monitor Wells	\$/Report	\$6,247
145	Additional Cost For Each Additional Soil Boring Over 4 the for ADEQ-Approved SCR	\$/Boring	\$302
146	Additional Cost For Each Additional Groundwater Well Over 4 for the ADEQ-Approved SCR	\$/Well	\$333

**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund**

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2006 Cost Schedule Amount¹
ADEQ-Approved Corrective Action Plan (CAP)			
147	ADEQ-Approved Corrective Action Plan (CAP)	\$/CAP	\$7,375
Groundwater Monitoring Report			
148	First Periodic Groundwater Monitoring Report: Up to 4 Groundwater Monitoring Wells	\$/Report	\$2,555
149	Subsequent Periodic Groundwater Monitoring Report: Up To 4 Groundwater Monitoring Wells	\$/Report	\$1,689
150	Additional Cost for Each Additional Groundwater Monitor Well Over 4 for the First Periodic Groundwater Report	Per Well	\$189
151	Additional Cost for Each Additional Groundwater Monitor Well Over 4 for the Subsequent Periodic Groundwater Report	Per Well	\$166
Remedial Progress Report			
152	Initial Periodic Remedial Progress Report (Soil and Groundwater)	\$/Report	\$2,958
153	Subsequent Periodic Remedial Progress Report (Soil and Groundwater)	\$/Report	\$2,104
PHASE P - WORK PLAN AND SAF APPLICATION PREPARATION			
WORK PLANS			
155	ADEQ-Approved Site Characterization Work Plan Scenario 1: Soil Only	\$/Plan	\$4,137
156	ADEQ-Approved Site Characterization Work Plan Scenario 2: Soil and Groundwater	\$/Plan	\$5,411
157	ADEQ-Approved SAF Work Plan to Implement ADEQ-Approved CAP	\$/Plan	\$3,959
SAF APPLICATION PREPARATION			
158	ADEQ-Approved Preapproval Application	\$/Application	\$1,040
159	Reimbursement or Direct Payment Application [Less than or Equal to two (2) Primary Provider Invoices]	\$/Application	\$955
160	Reimbursement or Direct Payment Application [Greater than two (2) Less than or Equal to five (5) Primary Provider Invoices]	\$/Application	\$1,151
161	Reimbursement or Direct Payment Application [Six (6) or more Primary Provider Invoices]	\$/Application	\$1,401

July 1, 2005 Cost Schedule costs were adjusted by 2.4% based on the Annual 2005

NOTE - 1 Bureau of Labor of Statistics Producer Price Index for Finished Goods Less Food and Energy Not Seasonally Adjusted.